Software Release Notice

System: AGS, SGS   **Release:** NASA 4.1
Date: September 22, 2000

Modification Description:

Upgrade for Alaska (Poker Flats) and Svalbard Ground Stations

The following changes are planned for the Alaska (Poker Flats) and Svalbard Ground Stations software. Modifications that have been completed since the NASA 4.0 release.
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1. Replace the two socket remote interface with the one socket remote interface. (Lien List Item 9)

2. Properly set the switch during G/T automated test.

3. Update the release version number.

Files Affected:

The files that were developed and/or utilized as part of NASA 4.1 are listed in Attachment 1: NASA 4.1 FILES.

Hardware Requirements:

N/A

Validation Procedures:

NASA 4.1 with ATS 3.3 software by connecting to the SCC software and performing all the actions need for system operation including login, upgrade, load ephemeris, load schedule, retrieve pass results file.

Known Bugs or Limitations:

Some open DRs may not be resolved in this release due to equipment constraints.
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Installation Procedure:

To install this release, first check to see that there is adequate disk space available by typing bdf. There should be at least 150MB available. If not, back-up to tape and then delete old unused releases in the /home/aaas/releases directory. Create a rel4.1 directory in the /home/aaas/releases directory. Copy nasa4.1.tar.Z in to this directory. From /home/aaas/releases/rel4.1. Uncompress and untar nasa4.1. This will create a bin directory with the new executables.

Create new etc directory and copy all the contents of rel4.0/etc to the rel4.1/etc directory. Modify the bin and etc links under /aaas/ to look at the new release directories.

Copy winPrint and pcltrans (if it exists) from rel4.0/bin to rel4.1/bin. Run a diff between NasaStart in rel4.0/bin and rel4.1/bin. If there are differences other than related to rci- tasks then copy the NasaStart from rel4.0/bin into rel4.1/bin and edit it for the rci differences.

Rename the rel4.0/etc tapelog files, ephtxt.txt and the config directory. Then create links of those files and directory to rel4.1/etc/. By creating those links then the configuration files are kept up to date no matter what release of software is activated.

Create a script called sw4.0 which will remove the links under /aaas/ for bin and etc and restore them to rel4.0/bin and rel4.0/etc. Create a script called sw4.1 which will remove the links under /aaas/ for bin and etc and link them to rel4.1/bin and rel4.1/etc.

Activation Procedure:

SCC 4.1 activation procedure is used when switching from release 4.0 to 4.1 after the installation procedure is performed above (must be installed with ATS 3.3) :
(1) Select option "Exit" from the "Session" menu. This action will close
the SCC graphical user interface (GUI) and stop all SCC processes.
Processes are stopped after "Stopping rci_client", "Stopping rci_server"
and "Removing Stale Message Queues" messages are displayed. Hit "enter" to
display the SCC command prompt, "ags11m-1 or sgs11m-1 >".

(2) Type "sw4.1" to switch to SCC release 4.1. Type "Start" to start
the SCC processes. The SCC GUI main window will show "NASA Version 4.1".

Reversion Procedure:

SCC 4.0 reversion procedure (must be installed with ATS 3.2) is used to revert back to release
4.0 after the installation procedure is performed above and after release 4.1 is activated:
(1) Select option "Exit" from the "Session" menu. This action will close
the SCC graphical user interface (GUI) and stop all SCC processes.
Processes are stopped after "Stopping rci_client", "Stopping rci_server"
and "Removing Stale Message Queues" messages are displayed. Hit "enter" to
display the SCC command prompt, "ags11m-1 or sgs11m-1 >".

(2) Type "sw4.0" to switch to SCC release 4.0. Type "Start" to start the
SCC processes. The SCC GUI main window will show "NASA Version 4.0".

Documentation Affected:

N/A

Comments:

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Approval:

The software modifications described in this release notice has been validated and accepted.

_____   _____
                    NASA AGS Project Manager   Date

_____   _____
                    NASA SGS Project Manager   Date

SOFTWARE RELEASED:

The software modifications described in this release notice have been completed and released to ground station operations.

_____   _____
                    System Manager   Date

_____   _____
    NASA Program Monitor   Date

Attachment 1
NASA 4.1 Files

The bin Directory:
```
AntennaControlStartup
Displays
Nasa
NasaStart
Start
Stop
authent
configud
control
dpsHndlr
errhandler
eup
executive
file.lst
getNtpSyncInfo
ioh
pcltrans
pedcont
postPassShell
rci
reccon
recsch
resetLANGateway
rmqs
schedmon
snyHndlr
start.awk
start_ntp
status_l
stop.awk
stop_ntp
sup
tapelog
terminal
testexec
time_code_handler
track
uactask
winPrint
```

The etc Directory:

The etc/hpib directory:
N/A

The etc/config directory:
N/A

The etc/defaults directory:
N/A